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Full Record

Details for HUGENEFL:U15008_AT

Full Screen

NetAffx Links	Cluster Members Consensus/Exemplar

GeneChip Array Information

Probe Set ID	U15008_at
GeneChip Array	HumanGeneFL Array
Organism Common Name	Human

Probe Design Information

Transcript ID	U15008
Sequence Type	Exemplar sequence
Representative Public ID	U15008 NCBI
Target Description	U15008, class A, 20 probes, 20 in U15008 25-433, Human SnRNP core protein Sm D2 mRNA, complete cds

Genomic Alignment of Target Sequence

Assembly April 2003 (NCBI 33)

Alignment(s)	Position	% Identity	Cytoband
	chr19: 50882580-50883664 (-) UCSC	98	q13.32

Overlapping Transcripts	Representative Transcript	UniGene Description	Position
	NM_004597 NCBI	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa	chr19:50882558-50887282 (-) UCSC
	NM_177542 NCBI	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa	chr19:50882558-50887282 (-) UCSC

Public Domain and Genome References

Gene Title	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa
Gene Symbol	SNRPD2 HGNC
Chromosomal Location	19q13.2
UniGene ID	Hs.424327 NCBI (FULL LENGTH)
Ensembl	ENSG00000125743 Ensembl
LocusLink	6633 NCBI
SwissProt	P43330 EMBL-EBI
OMIM	601061 NCBI

RefSeq Protein ID NP_004588 NCBI
NP_808210 NCBI

RefSeq

RefSeq Transcript ID	RefSeq Title
NM_004597 NCBI	small nuclear ribonucleoprotein polypeptide D2
NM_177542 NCBI	small nuclear ribonucleoprotein polypeptide D2

Functional Annotations

Ortholog

ID	Title	Organism	Type
ATH1-121501:266482_AT	small nuclear ribonucleo protein D2 -related	Arabidopsis	Putative Ortholog
C. ELEGANS:172931_X_AT	small nuclear ribonucleoprotein D2 like	Celegans	Putative Ortholog
DROSGENOME1:153483_AT		Drosophila	Putative Ortholog
MG-U74AV2:95049_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
MOE430A:1452680_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
MU11KSUBA:AA271024_S_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
MOUSE430_2:1452680_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog
MOUSE430A_2:1452680_AT	small nuclear ribonucleoprotein D2	Mouse	Curated Ortholog

Gene Ontology

GO Biological Process (view graph)

ID	Description	Evidence	Links
245	spliceosome assembly	traceable author statement	QuickGO AmiGO
6371	mRNA splicing	traceable author statement	QuickGO AmiGO

GO Cellular Component (view graph)

ID	Description	Evidence	Links
5681	spliceosome complex	traceable author statement	QuickGO AmiGO
5732	small nucleolar ribonucleoprotein complex	inferred from electronic annotation	QuickGO AmiGO
30532	small nuclear ribonucleoprotein complex	traceable author statement	QuickGO AmiGO

GO Molecular Function (view graph)

ID	Description	Evidence	Links
8248	pre-mRNA splicing factor activity	inferred from electronic annotation	QuickGO AmiGO

Protein Similarities

Method	ID	Description	E-Value
blast	4759158	small nuclear ribonucleoprotein polypeptide D2; snRNP core protein D2 [Homo sapiens]	1.0E-62
blast	26337731		3.0E-62
blast	4759158	small nuclear ribonucleoprotein polypeptide D2; snRNP core protein D2 [Homo sapiens]	1.0E-62
blast	26337731		3.0E-62

Database	ID	Description	E-Value
scop	d1b34b_	d1b34b_ SCOP:b.38.1.1:| D2 core SNRNP	1.85E-

			protein	28
	scop	d1b34b_	d1b34b_ SCOP:b.38.1.1:| D2 core SNRNP protein	1.85E-28
Protein Domains	pfam	LSM	LSM domain	1.1E-16
	pfam	LSM	LSM domain	1.1E-16
	InterPro	IPR001163 EMBL-EBI	Small nuclear ribonucleoprotein (Sm protein)	

Sequence

Target Sequence

>HUGENEFL:U15008_AT
accatcatgagcctcctcaacaagcccaagagtgagatgaccccagaggagctgcagaag
cgagaggaggaggaatttaacaccggtccactctctgtgctcacacagtcagtcaagaac
aatacccaagtgctcatcaactgccgcaacaataagaaactcctgggccgcgtgaaggcc
ttcgataggcactgcaacatggtgctggagaacgtgaaggagatgtggactgaggtaccc
aagagtggcaagggcaagaagaagtccaagccagtcaacaaagaccgctacatctccaag
atgttcctgcgcggggactcagtcatcgtggtcctgcggaacccgctcatcgccggcaag
taggggccgcctgtctgttgacagaactcactcctctgtcctatgaagaccgctgccatt
ggtgttgagaata

Probe Info

Probe Sequence(5'-3')	Probe X	Probe Y	Probe Interrogation Position	Strandedness
ACCATCATGAGCCTCCTCAACAAGC	99	211	37	Antisense
AGTGAGATGACCCCAGAGGAGCTGC	100	211	67	Antisense
AACACCGGTCCACTCTCTGTGCTCA	101	211	115	Antisense
GGTCCACTCTCTGTGCTCACACAGT	102	211	121	Antisense
CTCTCTGTGCTCACACAGTCAGTCA	103	211	127	Antisense
GTGCTCACACAGTCAGTCAAGAACA	104	211	133	Antisense
TCAGTCAAGAACAATACCCAAGTGC	105	211	145	Antisense
AATACCCAAGTGCTCATCAACTGCC	106	211	157	Antisense
CAAGTGCTCATCAACTGCCGCAACA	107	211	163	Antisense
CGCGTGAAGGCCTTCGATAGGCACT	108	211	205	Antisense
AAGGCCTTCGATAGGCACTGCAACA	109	211	211	Antisense
TTCGATAGGCACTGCAACATGGTGC	110	211	217	Antisense
GTACCCAAGAGTGGCAAGGGCAAGA	111	211	271	Antisense
TACATCTCCAAGATGTTCCTGCGCG	112	211	325	Antisense
TCAGTCATCGTGGTCCTGCGGAACC	113	211	355	Antisense
TAGGGGCCGCCTGTCTGTTGACAGA	114	211	397	Antisense
TGACAGAACTCACTCCTCTGTCCTA	115	211	415	Antisense
CTCCTCTGTCCTATGAAGACCGCTG	116	211	427	Antisense
TGTCCTATGAAGACCGCTGCCATTG	117	211	433	Antisense
ACCGCTGCCATTGGTGTTGAGAATA	118	211	445	Antisense